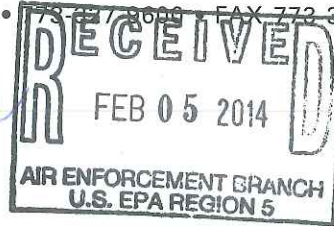




General Iron Industries, Inc.

1909 N. CLIFTON AVENUE • CHICAGO, IL 60614-4803 • 773-627-8600 • FAX 773-327-8732



January 30, 2014

EPA, Region 5

Air Enforcement and Compliance Assurance Branch

Attn: Compliance Tracker, AE-17J

77 W. Jackson Boulevard

Chicago, IL 60604

Re: General Iron Industries, Inc. – Chicago, IL

To Whom It May Concern:

In accordance with the terms of Administrative Consent Order (ACO) EPA-5-12-113(a)-IL-04 issued to General Iron Industries, Inc. (General Iron) on June 29, 2012, the following Calendar Quarterly Report is being provided for the quarterly period ending on December 31, 2013 as required by paragraph 35 of the ACO.

- 1. Performance of pollution control system:** During the quarterly period ending on December 31, 2013, the shredder pollution control system, including water suppression system, cyclone and Filter System, operated at all times that the General Iron shredder was in operation.
- 2. Exceedances of emission limits and/or regulations:** During the quarterly period ending on December 31, 2013, there were no known exceedances of emission limits or regulations associated with the General Iron shredder.
- 3. List and description of all air emission complaints received that can reasonably be attributed to General Iron:** During the quarterly period ending on December 31, 2013, General Iron did not receive any air emission complaints.
- 4. Results of each emissions observation:** In accordance with paragraph 32 of the ACO, visible emission observations were performed while the shredder was operating at a process rate in excess of 315 tons per hour. Results of the visible emission observations conducted during the quarterly period ending December 31, 2013, along with the estimated shredder process rate at the time of the observations, are enclosed in Attachment A.

January 30, 2013

Page 2

In accordance with paragraph 33 of the ACO, fugitive particulate matter emission observations were performed while the shredder was operating at a process rate in excess of 315 tons per hour. Results of the fugitive particulate matter emission observations conducted during the quarterly period ending December 31, 2013, along with the estimated shredder process rate at the time of the observations are enclosed in Attachment B.

5. **Update of all permit activity required by Paragraph 36 of the ACO:** Previous discussions with the Illinois EPA indicate that the Federally Enforceable State Operating Permit (FESOP) application for the referenced facility still remains under review.

If you have any questions or if you require any additional information, please feel free to call me at (847) 508-9170.

Sincerely,

A handwritten signature in black ink, appearing to read 'JK' or 'Jim Kallas', with a horizontal line extending to the left.

Jim Kallas

Attachment A

Visible Emission Observations

<u>Date</u>	<u>Start Time</u>	<u>End Time</u>	<u>Estimated Process Rate</u>
10/22/13	12:36 p.m.	1:06 p.m.	327 tons per hour
11/19/13	10:28 a.m.	10:58 a.m.	405 tons per hour
12/26/13	11:51 a.m.	12:21 p.m.	388 tons per hour

EPA VISIBLE EMISSION OBSERVATION FORM 1

Method Used (Circle One)			
Method 9	203A	203B	Other: _____

Company Name General Iron Industries, Inc.		
Facility Name Same		
Street Address 1909 N. Clifton Avenue		
City Chicago	State IL	Zip 60614

Process Metal Shredding	Unit # 	Operating Mode Shredding
Control Equipment Emission Control System	Operating Mode On	

Describe Emission Point Top of shredder enclosure	
Height of Emiss. Pt. Start 60 ft. End 60 ft.	Height of Emiss. Pt. Rel. to Observer Start 60 ft. End 60 ft.
Distance to Emiss. Pt. Start 250 ft. End 250 ft.	Direction to Emiss. Pt. (Degrees) Start 320 End 320

Vertical Angle to Obs. Pt. Start 15 End 15	Direction to Obs. Pt. (Degrees) Start 350 End 350
Distance and Direction to Observation Point from Emission Point Start 100 FT. EAST End 100 FT. EAST	

Describe Emissions	
Start STEAM End STEAM	Water Droplet Plume
Start WHITE End WHITE	Attached <input checked="" type="checkbox"/> Detached <input type="checkbox"/> None <input type="checkbox"/>

Describe Plume Background	
Start CLOUDS / SKY End CLOUDS / SKY	Sky Conditions
Background Color Start WHT / BLUE End WHT / BLUE	Start Mostly Cldy End Mostly Cldy
Wind Speed Start 9 End 9	Wind Direction Start W End W
Ambient Temp. Start 40 End 40	Wet Bulb Temp. RH Percent 50

Source Layout Sketch

X Observation Point

Observer's Position

Sun Location Line

140°

Draw North Arrow

☐ TN ☐ MN

(A)

Scale: _____ FEET

Side View: _____ FEET

Stack With Plume:

Sun:

Wind:

Longitude -87.659167	Latitude 41.916111	Declination
--------------------------------	------------------------------	------------------------

Additional Information

Form Number	Page	Of
Continued on VEO Form Number		

Observation Date 10/22/13		Time Zone CDT		Start Time 12:36 PM	End Time 1:06 PM
Min	Sec	0	15	30	45
Comments					
1	0	0	0	0	
2	0	0	0	0	
3	0	0	0	0	
4	0	0	0	0	
5	0	0	0	0	
6	0	0	0	0	
7	0	0	0	0	
8	0	0	0	0	
9	0	0	0	0	
10	0	0	0	0	
11	0	0	0	0	
12	0	0	0	0	
13	0	0	0	0	
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23	0	0	0	0	
24	0	0	0	0	
25	0	0	0	0	
26	0	0	0	0	
27	0	0	0	0	
28	0	0	0	0	
29	0	0	0	0	
30	0	0	0	0	

Observer's Name (Print) Jim Kallas	
Observer's Signature 	Date 10/22/13
Organization General Iron Industries, Inc.	
Certified By Whitlow Enterprises LLC	Date 9/5/13

EPA VISIBLE EMISSION OBSERVATION FORM 1

Method Used (Circle One)			
Method 9	203A	203B	Other: _____

Company Name General Iron Industries, Inc.		
Facility Name Same		
Street Address 1909 N. Clifton Avenue		
City Chicago	State IL	Zip 60614

Process Metal Shredding	Unit #	Operating Mode Shredding
Control Equipment Emission Control System		Operating Mode On

Describe Emission Point Top of shredder enclosure
--

Height of Emiss. Pt. Start 60 ft. End 60 ft.	Height of Emiss. Pt. Rel. to Observer Start 60 ft. End 60 ft.
Distance to Emiss. Pt. Start 250 ft. End 250 ft.	Direction to Emiss. Pt. (Degrees) Start 320 End 320

Vertical Angle to Obs. Pt. Start 15 End 15	Direction to Obs. Pt. (Degrees) Start 315 End 315
Distance and Direction to Observation Point from Emission Point Start 100 FT. S.W. End 100 FT. S.W.	

Describe Emissions	
Start STEAM	End STEAM
Emission Color Start WHITE End WHITE	Water Droplet Plume Attached <input checked="" type="checkbox"/> Detached <input type="checkbox"/> None <input type="checkbox"/>

Describe Plume Background	
Start SKY/CLOUDS	End SKY/CLOUDS
Background Color Start BLUE/WHIT End BLUE/WHIT	Sky Conditions Start PLY SUNNY End PLY SUNNY
Wind Speed Start 6 End 6	Wind Direction Start NE End NE
Ambient Temp. Start 35 End 35	Wet Bulb Temp. RH Percent 72

Source Layout Sketch	
Draw North Arrow <input type="checkbox"/> TN <input type="checkbox"/> MN	
Longitude -87.659167	Latitude 41.916111
Declination	

Additional Information

Form Number	Page	Of
Continued on VEO Form Number		

Observation Date 11/19/13	Time Zone CST	Start Time 10:28 A.M.	End Time 10:58 A.M.
Sec Min	0	15	30
45	Comments		
1	0	0	0
2	0	0	0
3	0	0	0
4	0	0	0
5	0	0	0
6	0	0	0
7	0	0	0
8	0	0	0
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24	0	0	0
25	0	0	0
26	0	0	0
27	0	0	0
28	0	0	0
29	0	0	0
30	0	0	0

Observer's Name (Print) Jim Kallas	Date 11/19/14
Observer's Signature 	
Organization General Iron Industries, Inc.	
Certified By Whitlow Enterprises LLC	Date 9/5/13

EPA VISIBLE EMISSION OBSERVATION FORM 1

Method Used (Circle One)			
Method 9	203A	203B	Other: _____

Company Name General Iron Industries, Inc.		
Facility Name Same		
Street Address 1909 N. Clifton Avenue		
City Chicago	State IL	Zip 60614

Process Metal Shredding	Unit # 	Operating Mode Shredding
Control Equipment Emission Control System		Operating Mode On

Describe Emission Point Top of shredder enclosure	
Height of Emiss. Pt. Start 60 ft. End 60 ft.	Height of Emiss. Pt. Rel. to Observer Start 60 ft. End 60 ft.
Distance to Emiss. Pt. Start 250 ft. End 250 ft.	Direction to Emiss. Pt. (Degrees) Start 320 End 320

Vertical Angle to Obs. Pt. Start 15 End 15	Direction to Obs. Pt. (Degrees) Start 350 End 350
Distance and Direction to Observation Point from Emission Point Start 100 FT. EAST End 100 FT. EAST	

Describe Emissions	
Start STEAM	End STEAM
Emission Color Start WHITE End WHITE	Water Droplet Plume Attached <input checked="" type="checkbox"/> Detached <input type="checkbox"/> None <input type="checkbox"/>

Describe Plume Background	
Start CLOUDS/SKY	End CLOUDS/SKY
Background Color Start WHT/BLUE End WHT/BLUE	Sky Conditions Start MSTLY CLDY End MSTLY CLDY
Wind Speed Start 10 End 10	Wind Direction Start W End W
Ambient Temp. Start 21 End 21	Wet Bulb Temp. RH Percent 83

Source Layout Sketch	
Longitude -87.659167	Latitude 41.916111
Declination 	

Additional Information

Form Number	Page	Of
Continued on VEO Form Number		

Observation Date 12/26/13	Time Zone CST	Start Time 11:51 AM	End Time 12:21 PM		
Sec	0	15	30	45	Comments
1	0	0	0	0	
2	0	0	0	0	
3	0	0	0	0	
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5	0	0	0	0	
6	0	0	0	0	
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29	0	0	0	0	
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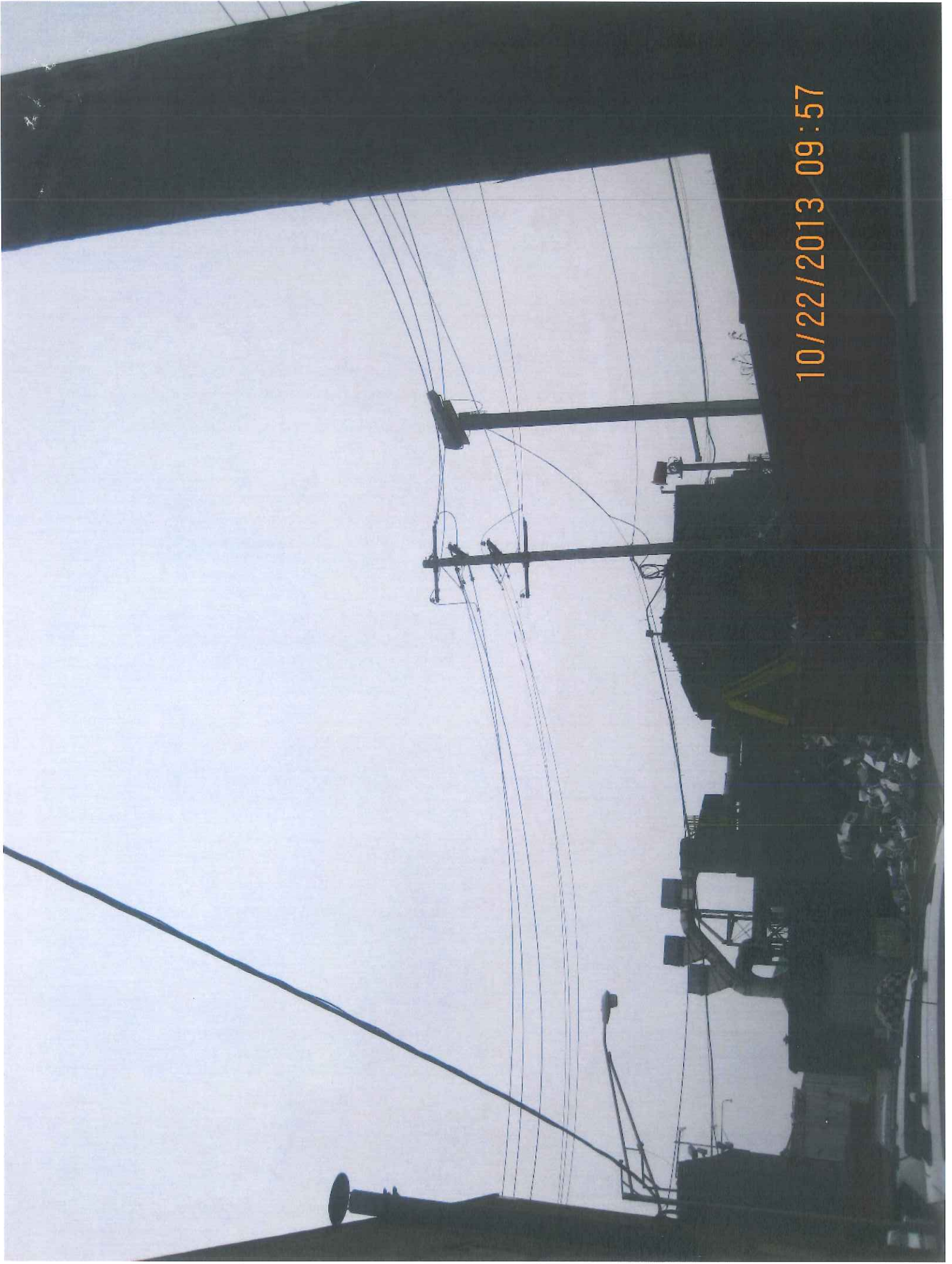
Observer's Name (Print) Jim Kallas	Date 12/26/13
Observer's Signature 	
Organization General Iron Industries, Inc.	
Certified By Whitlow Enterprises LLC	Date 9/5/13

Attachment B

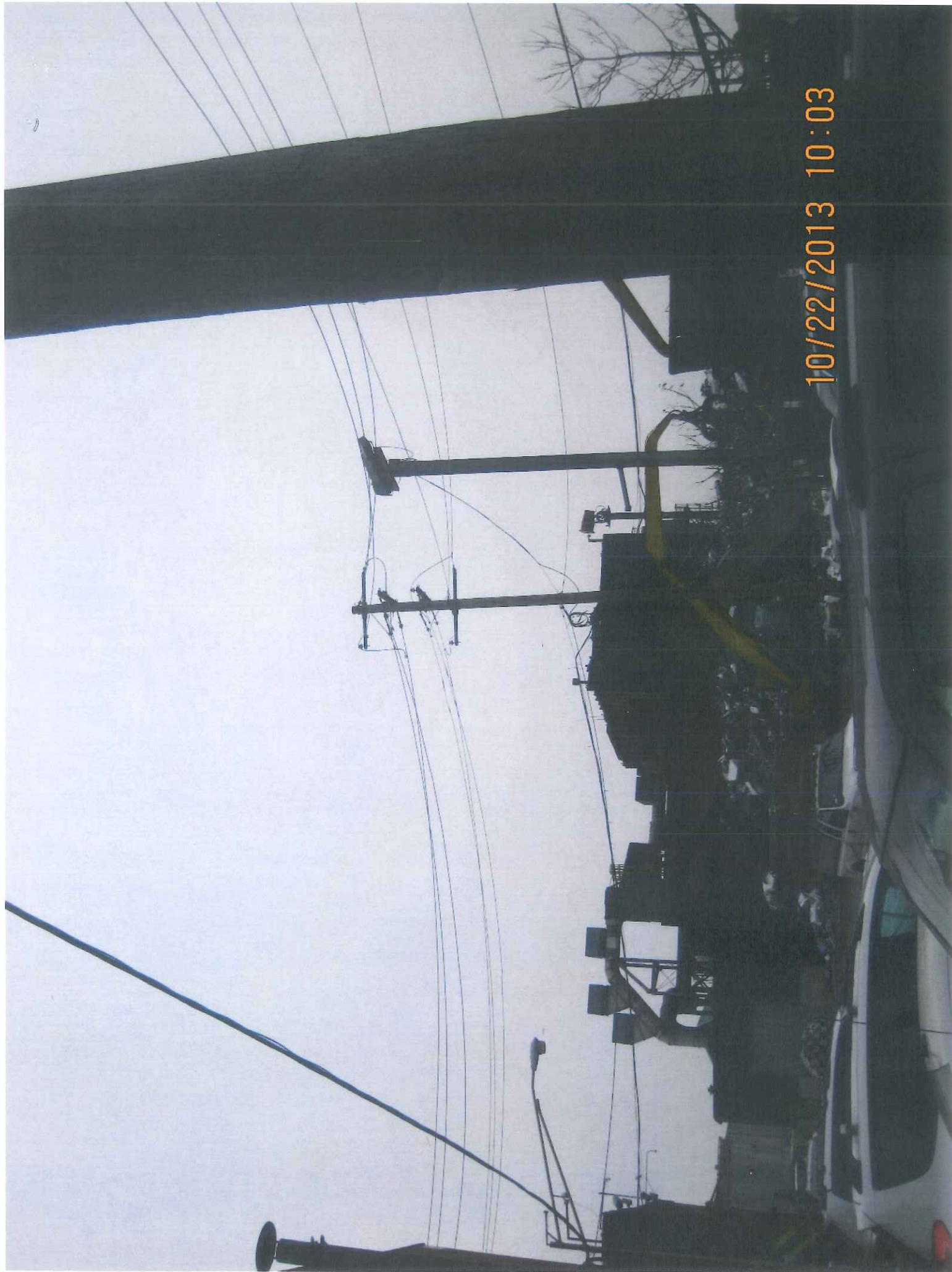
Fugitive Particulate Matter Emission Observations

<u>Date</u>	<u>Start Time</u>	<u>End Time</u>	<u>Estimated Process Rate</u>
10/22/13	9:54 a.m.	10:24 a.m.	364 tons per hour
11/20/13	10:31 a.m.	11:01 a.m.	447 tons per hour
12/26/13	11:15 a.m.	11:45 a.m.	346 tons per hour

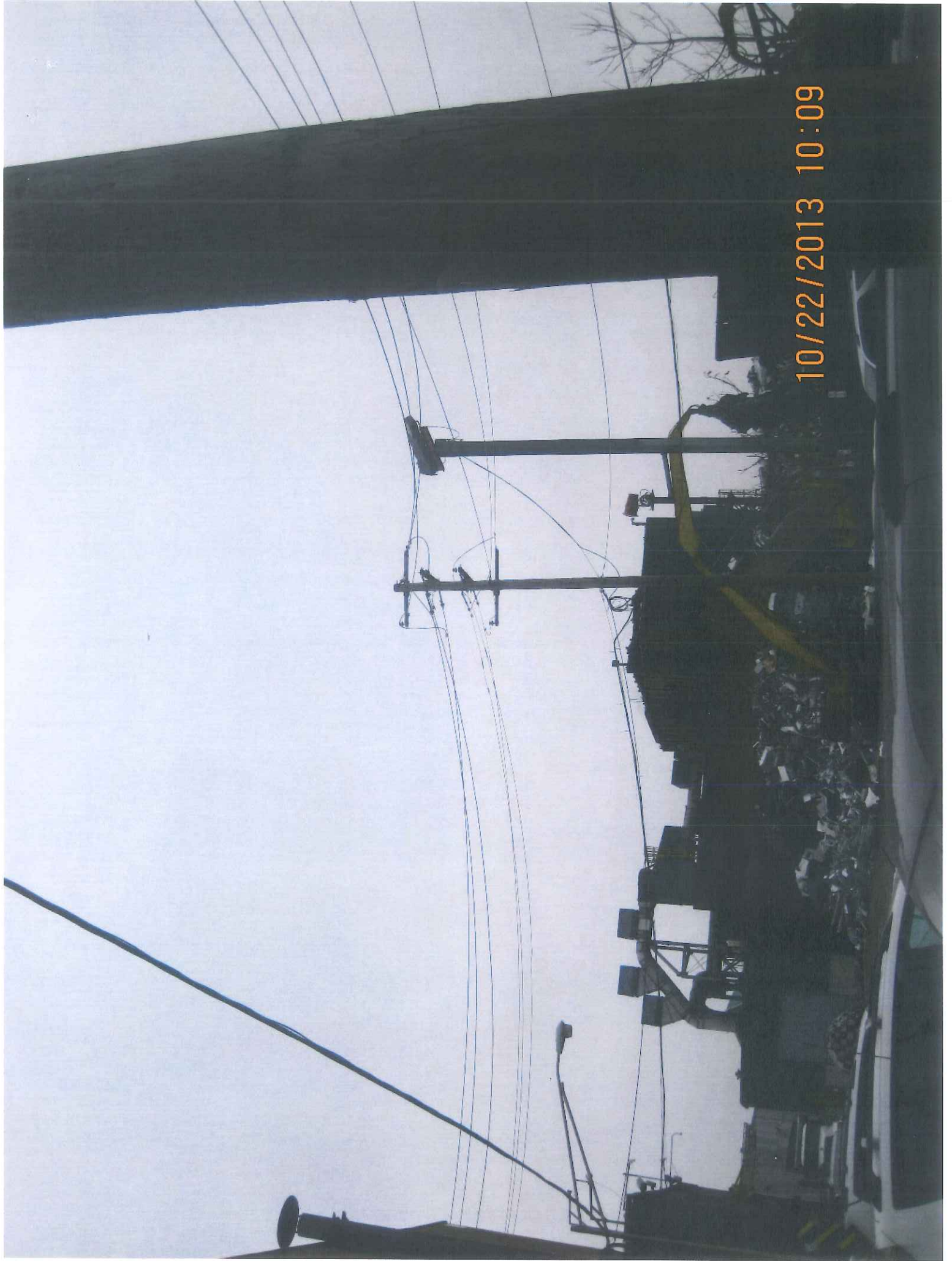
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10/22/2013 10:03

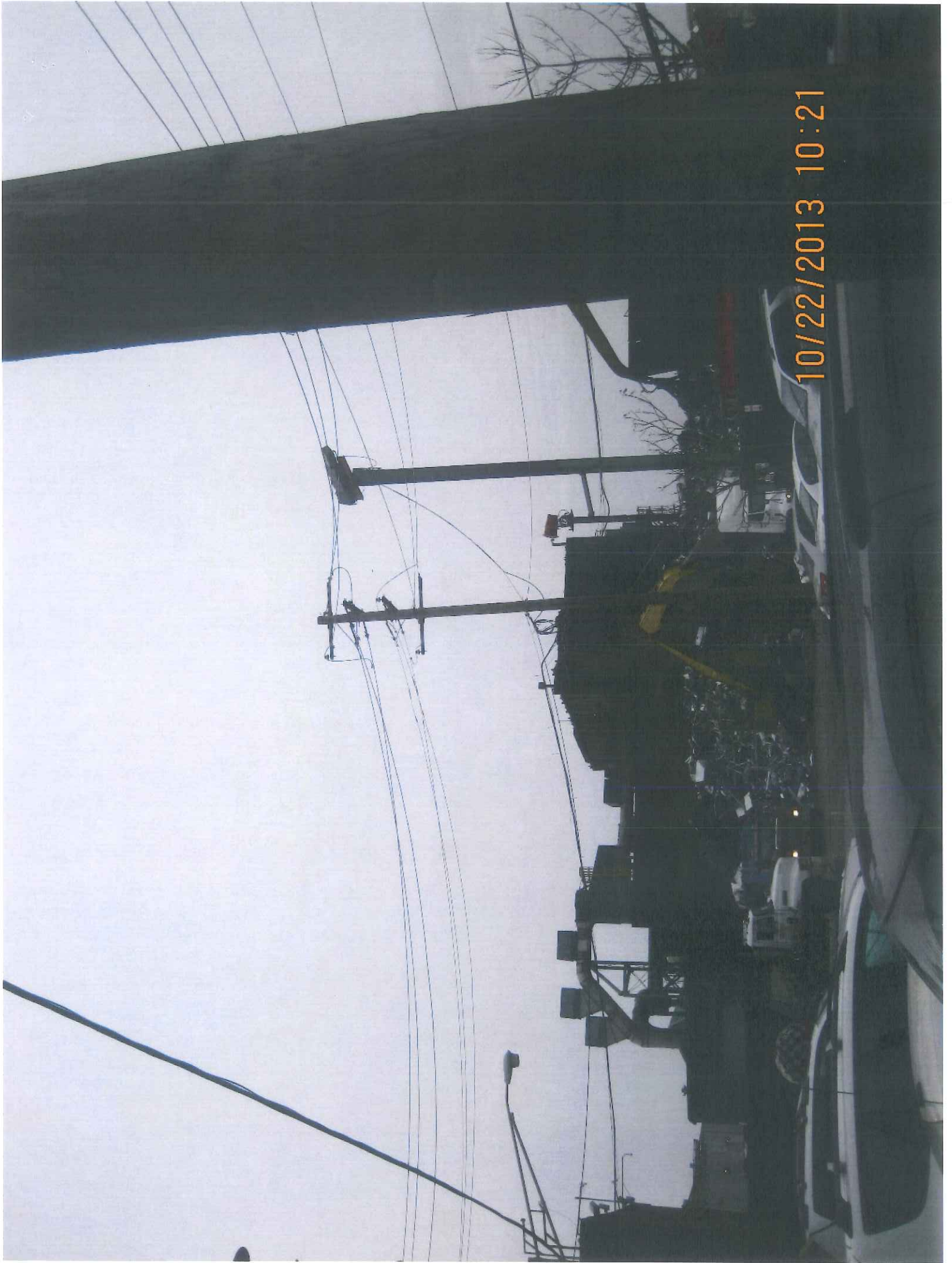


10/22/2013 10:09

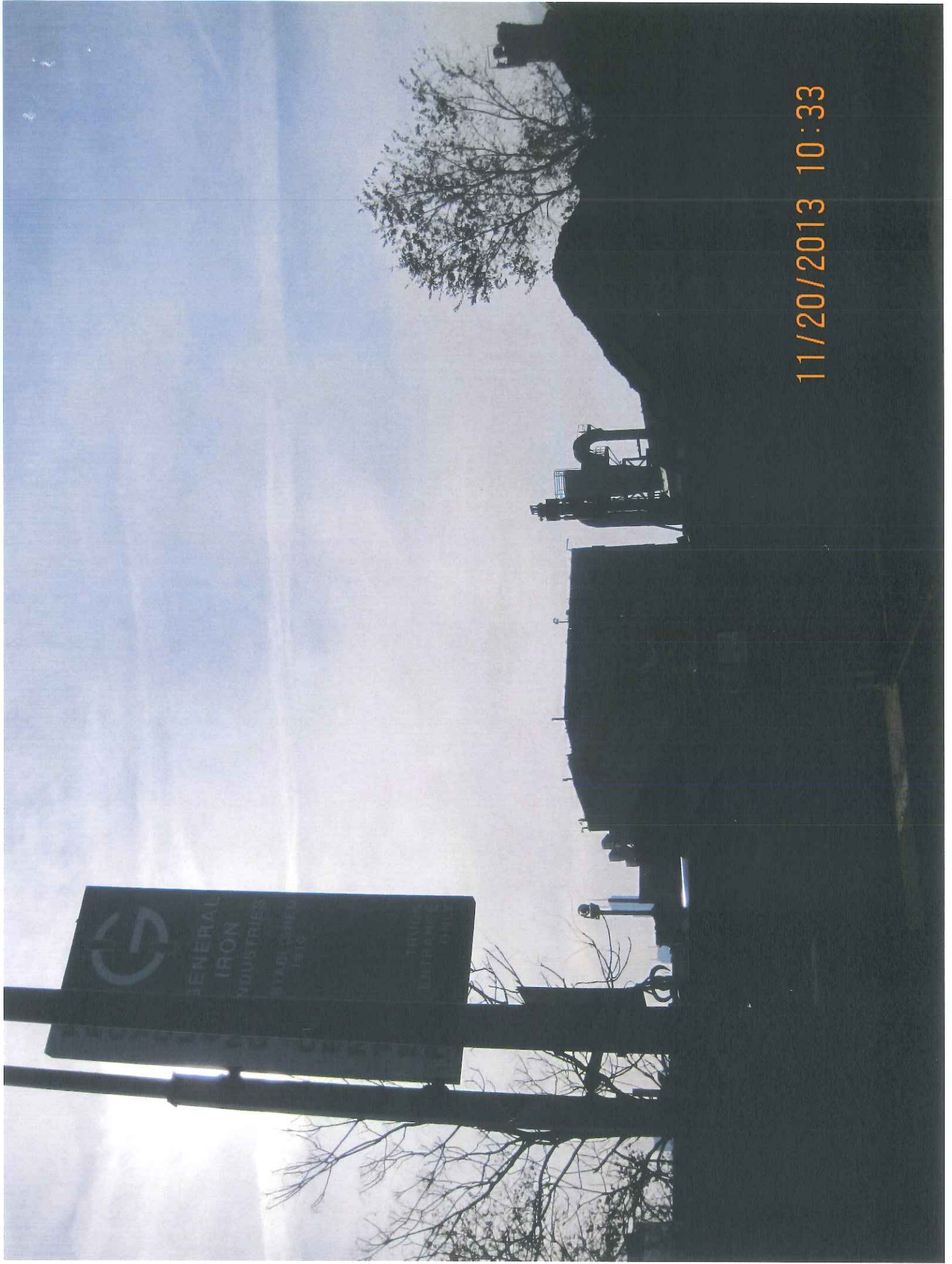




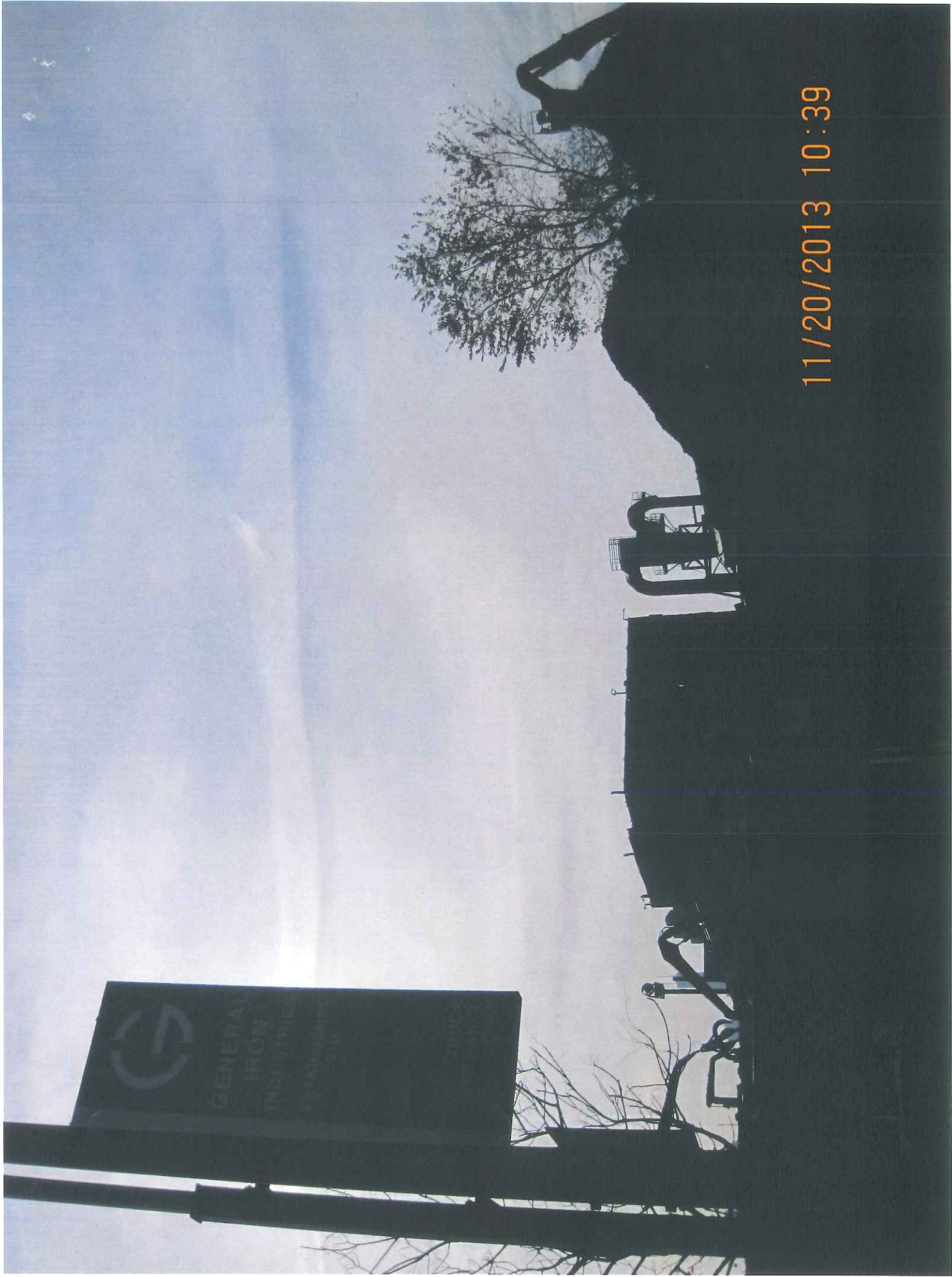
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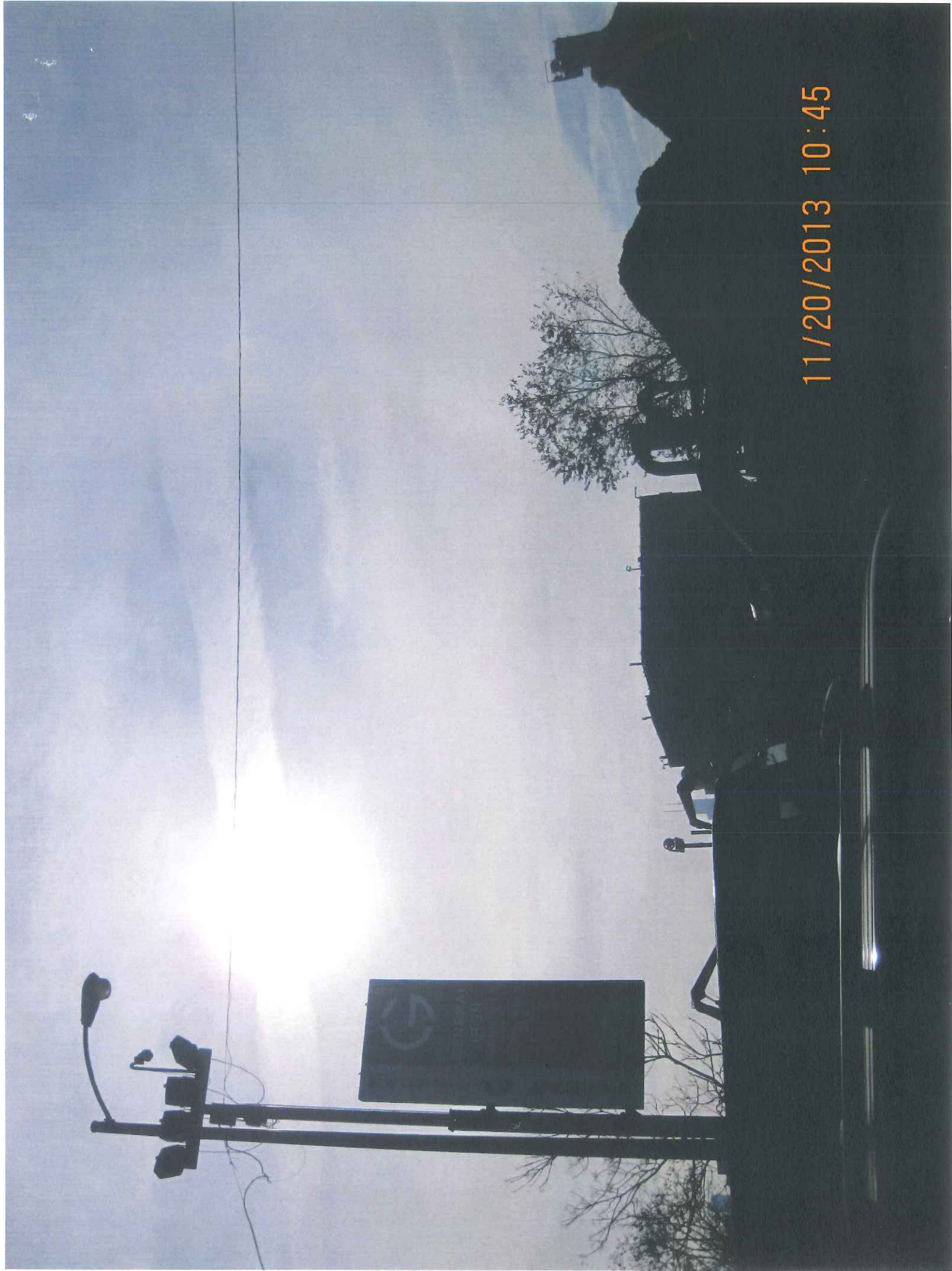
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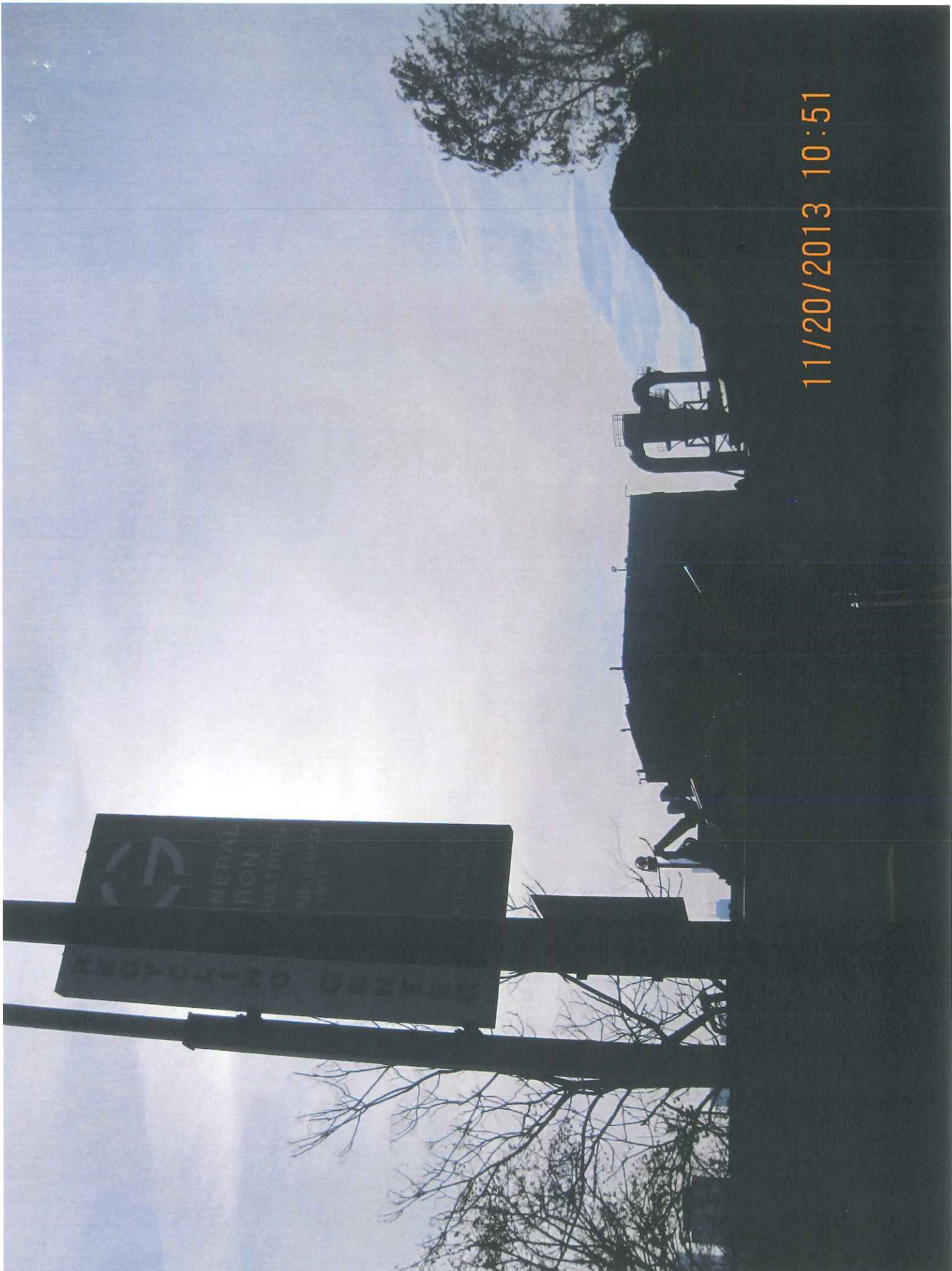
11/20/2013 10:33



11/20/2013 10:39

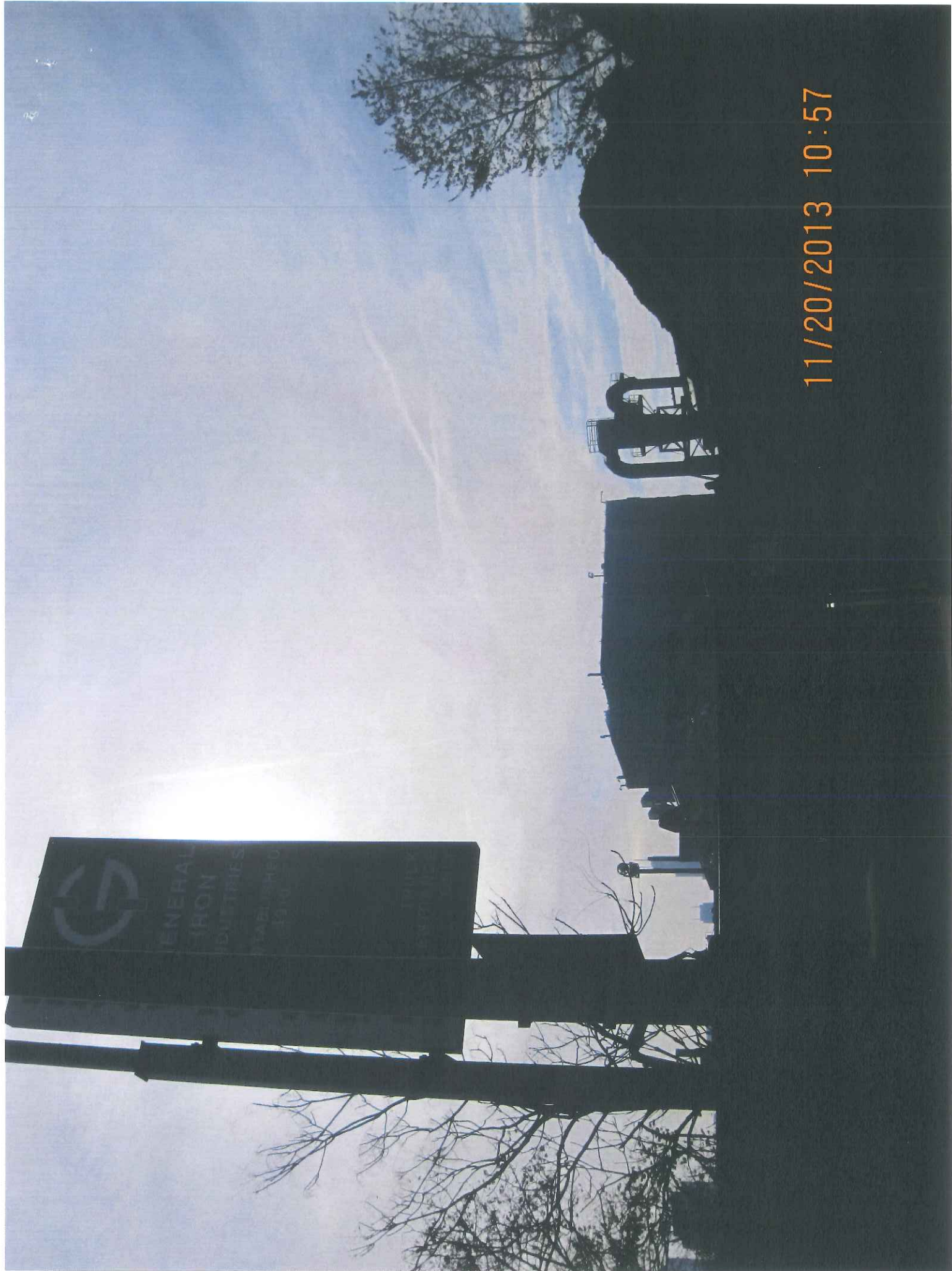


11/20/2013 10:45



GENERAL
IRON
INDUSTRIES
ESTABLISHED
1910

11/20/2013 10:51

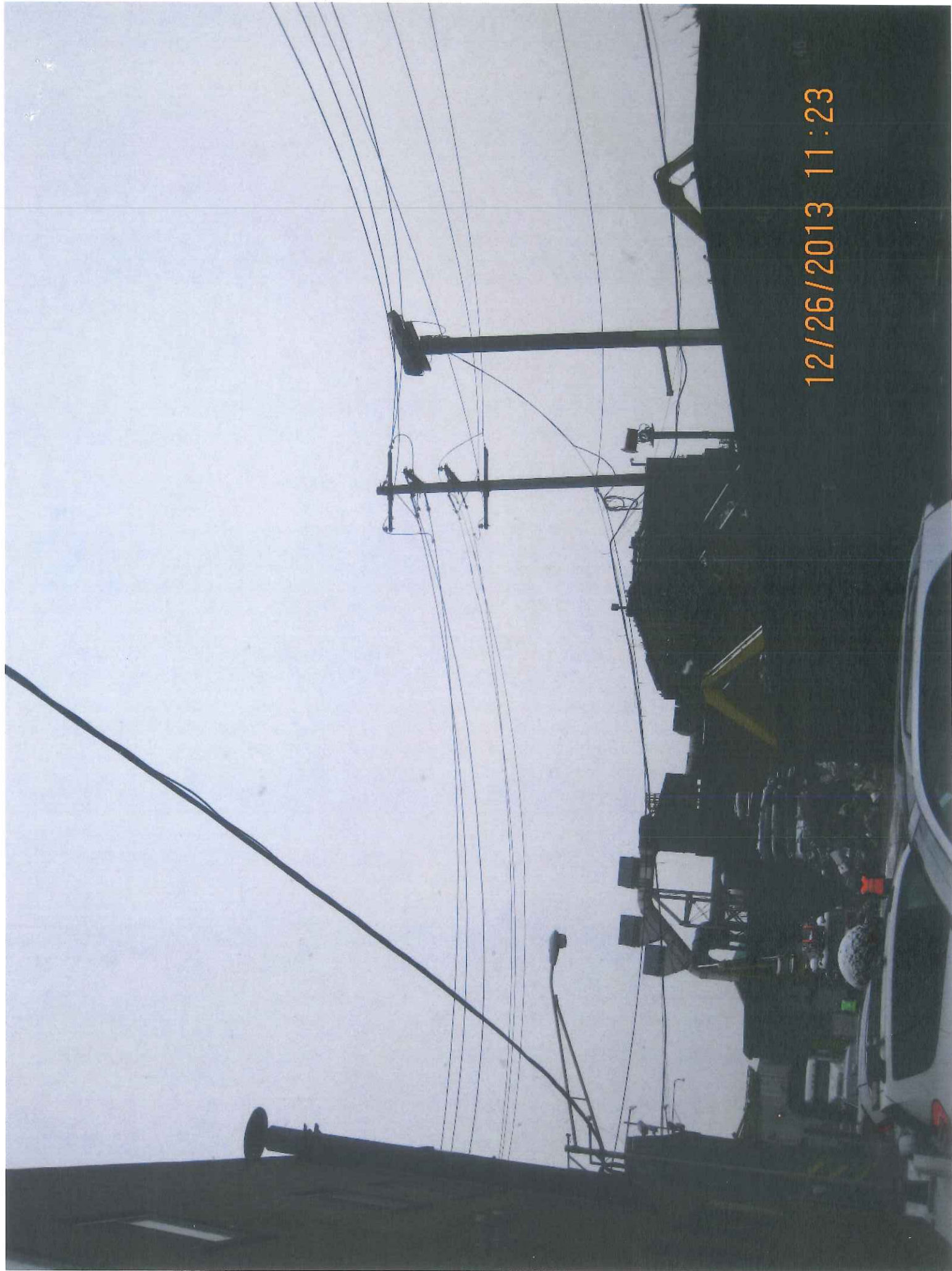


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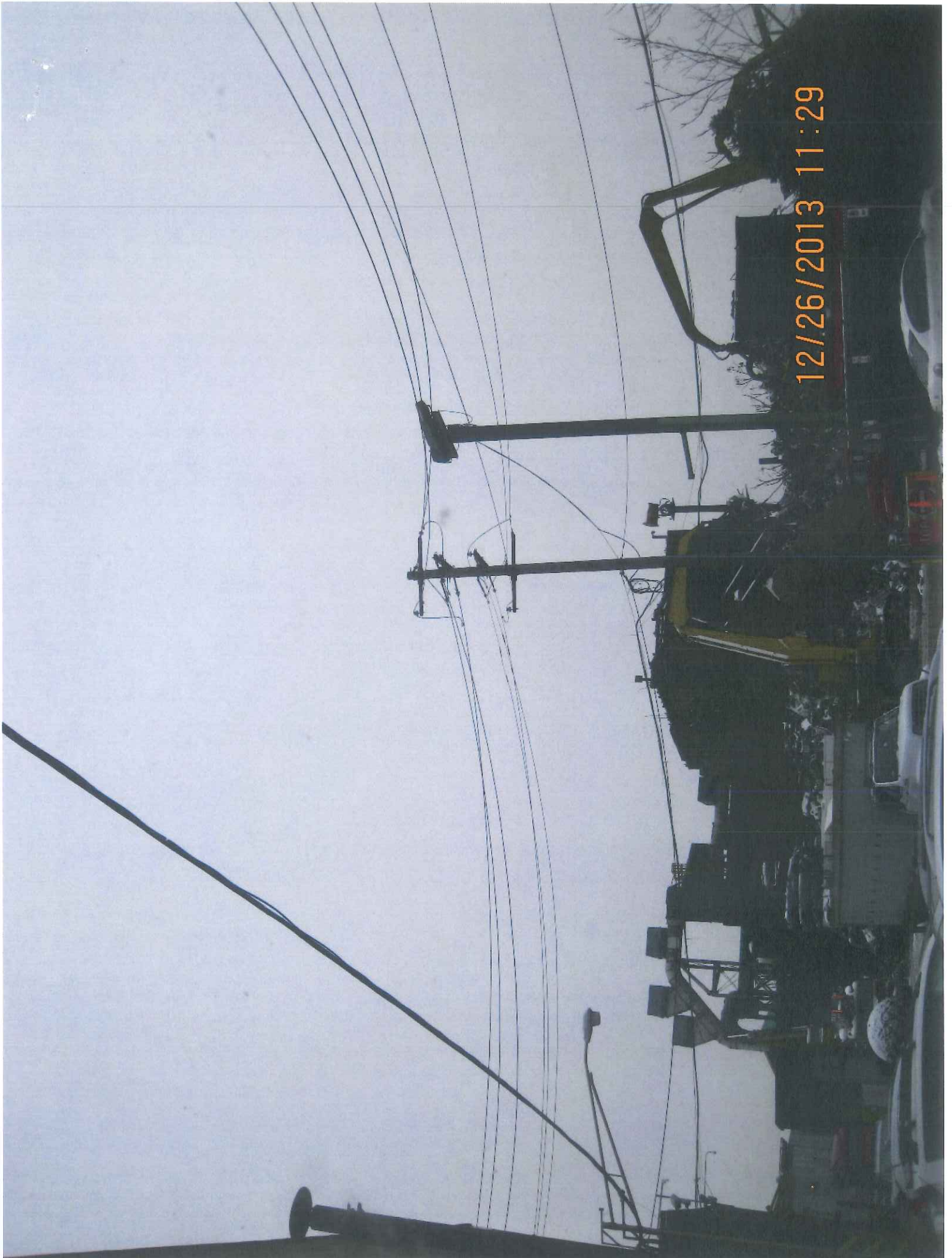
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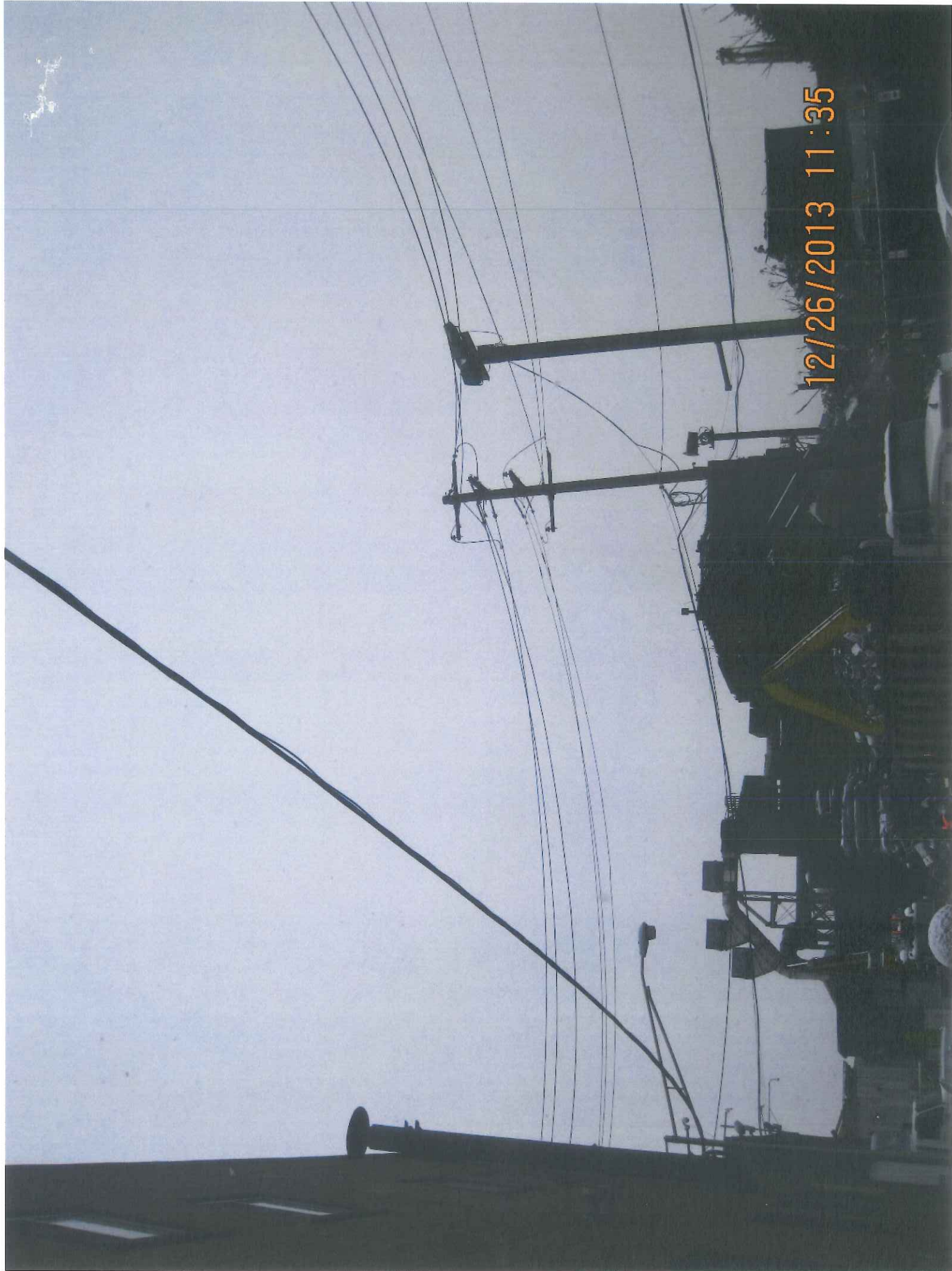
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12/26/2013 11:29



12/26/2013 11:35



12/26/2013 11:41

